# Contents

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*Thank you for choosing one of our products.*
*You are advised to read this manual carefully; it contains all the information you need about the right conditions for the proper, safe use of your dishwasher.*
*The individual sections are laid out to provide you with a step-by-step guide to all your appliance's functions; the texts are easy to understand and are complete with detailed illustrations.*
*This user-friendly manual will provide answers to all your questions about use of the dishwasher.*
*For any other information about use and maintenance of the dishwasher, read the enclosed manual carefully.*

*USER INSTRUCTIONS: useful information is provided for the use of the washing programs and all the dishwasher's functions.*

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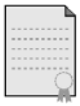
*Thank you for choosing one of our products.*
*You are advised to read this manual carefully; it contains all the information you need about the right conditions for the proper, safe use of your dishwasher.*
*The individual sections are laid out to provide you with a step-by-step guide to all your appliance's functions; the texts are easy to understand and are complete with detailed illustrations.*
*Following the cleaning instructions provided here will keep your dishwasher's performance at peak levels in the long term.*
*This user-friendly manual will provide answers to all your questions about use of the dishwasher.*

*INSTALLATION INSTRUCTIONS: these are intended for the **qualified technician** who must carry out the installation, hook-up and testing of the appliance.*

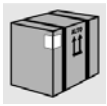
*USER INSTRUCTIONS: useful advice is provided for the use of baskets, spray arms, containers and filters.*

## 1. Safety and operating instructions



THIS MANUAL FORMS AN INTEGRAL PART OF THE APPLIANCE: IT MUST ALWAYS BE KEPT INTACT TOGETHER WITH THE DISHWASHER. BEFORE USING THE APPLIANCE, CAREFULLY READ ALL THE INSTRUCTIONS CONTAINED IN THIS MANUAL. INSTALLATION MUST BE PERFORMED BY A QUALIFIED TECHNICIAN, IN COMPLIANCE WITH THE REGULATIONS IN FORCE. THIS APPLIANCE IS INTENDED FOR DOMESTIC USE, AND COMPLIES WITH THE **EEC DIRECTIVES 73/23, 89/336 (INCLUDING 92/31** AND **93/68)** CURRENTLY IN FORCE, INCLUDING THE PREVENTION AND ELIMINATION OF RADIO FREQUENCY INTERFERENCE.
THE APPLIANCE IS DESIGNED FOR THE FOLLOWING PURPOSE: **WASHING AND DRYING OF DISHES**; ANY OTHER USE SHALL BE CONSIDERED IMPROPER. **THE MANUFACTURER DECLINES ALL RESPONSIBILITY FOR USES OTHER THAN THOSE DESCRIBED ABOVE.**

THE NAME PLATE FEATURING THE TECHNICAL DATA, SERIAL NUMBER AND MARKINGS IS VISIBLY POSITIONED ON THE INNER EDGE OF THE DOOR. **THE NAME PLATE ON THE INNER EDGE OF THE DOOR MUST NEVER BE REMOVED.**



DO NOT LEAVE THE DISCARDED PACKAGING MATERIALS UNSUPERVISED WITHIN THE HOME. SEPARATE THE VARIOUS MATERIALS WHICH MAKE UP THE PACKAGING AND TAKE THEM TO THE NEAREST SORTED WASTE COLLECTION CENTRE.

THE APPLIANCE MUST BE PROVIDED WITH AN EARTH CONNECTION IN ACCORDANCE WITH THE ELECTRICAL SAFETY REGULATIONS IN FORCE.
**THE MANUFACTURER DECLINES ALL RESPONSIBILITY FOR DAMAGE TO PERSONS OR PROPERTY RESULTING FROM THE FAILURE TO EARTH THE APPLIANCE OR FROM A DEFECTIVE EARTH CONNECTION.**

IF THE APPLIANCE IS INSTALLED ON A CARPETED OR COVERED FLOOR, ENSURE THAT THE OPENINGS ON ITS UNDERSIDE ARE NOT OBSTRUCTED.

ALWAYS SWITCH OFF THE DISHWASHER AFTER EACH USE TO AVOID WASTING ELECTRICITY.

OBSOLETE APPLIANCES MUST BE RENDERED UNUSABLE. CUT OFF THE MAINS POWER CORD AFTER UNPLUGGING IT FROM THE WALL OUTLET, AND MAKE SAFE ANY COMPONENTS WHICH MIGHT BE DANGEROUS FOR CHILDREN (LOCKS, DOORS, ETC.).

THIS APPLIANCE IS MARKED ACCORDING TO THE **EUROPEAN DIRECTIVE 2002/96/EC** ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (**WEEE**). BY ENSURING THIS PRODUCT IS DISPOSED OF CORRECTLY, YOU WILL HELP PREVENT POTENTIAL NEGATIVE CONSEQUENCES FOR THE ENVIRONMENT AND HUMAN HEALTH, WHICH COULD OTHERWISE BE CAUSED BY INAPPROPRIATE WASTE HANDLING OF THIS PRODUCT.

THE SYMBOL ON THE PRODUCT, OR ON THE DOCUMENTS ACCOMPANYING THE PRODUCT, INDICATES THAT THIS APPLIANCE MAY NOT BE TREATED AS HOUSEHOLD WASTE. INSTEAD IT SHALL BE HANDED OVER TO THE APPLICABLE COLLECTION POINT FOR THE RECYCLING OF ELECTRICAL AND ELECTRONIC EQUIPMENT.
DISPOSAL MUST BE CARRIED OUT IN ACCORDANCE WITH LOCAL ENVIRONMENTAL REGULATIONS FOR WASTE DISPOSAL. FOR MORE DETAILED INFORMATION ABOUT TREATMENT, RECOVERY AND RECYCLING OF THIS PRODUCT, PLEASE CONTACT YOUR LOCAL CITY OFFICE, YOUR HOUSEHOLD WASTE DISPOSAL SERVICE OR THE SHOP WHERE YOU PURCHASED THE PRODUCT.

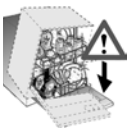
IN THE EVENT OF A FAULT, DISCONNECT THE DISHWASHER FROM THE ELECTRICAL POWER SUPPLY AND SHUT OFF THE WATER TAP.

DO NOT USE APPLIANCES WHICH HAVE BEEN DAMAGED DURING TRANSIT! IF IN DOUBT, CONSULT YOUR DEALER.
THE APPLIANCE MUST BE INSTALLED AND CONNECTED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER OR BY A QUALIFIED TECHNICIAN.

THIS DISHWASHER MUST BE USED BY ADULTS.
USE BY PERSONS WITH REDUCED MENTAL AND/OR PHYSICAL CAPABILITIES IS ONLY PERMITTED UNDER THE SUPERVISION OF A PERSON RESPONSIBLE FOR THEIR SAFETY.
KEEP CHILDREN AWAY FROM DETERGENTS AND PACKAGING MATERIALS (PLASTIC BAGS, POLYSTYRENE, ETC.), AND NEVER ALLOW THEM TO APPROACH OR PLAY WITH THE DISHWASHER, SINCE IT MIGHT CONTAIN DETERGENT RESIDUES CAPABLE OF CAUSING PERMANENT DAMAGE TO THE EYES, MOUTH AND THROAT, AND EVEN LEADING TO SUFFOCATION.

DO NOT INTRODUCE SOLVENTS SUCH AS ALCOHOL OR TURPENTINE WHICH MAY CAUSE AN EXPLOSION.

DO NOT LOAD DISHES THAT ARE SOILED WITH ASH, WAX OR PAINTS.



**LEANING OR SITTING ON THE DISHWASHER DOOR WHEN OPEN MAY CAUSE THE APPLIANCE TO OVERTURN, PUTING PEOPLE AT RISK.**
**NEVER LEAVE THE DISHWASHER DOOR OPEN; PEOPLE MIGHT TRIP OVER IT.**

DO NOT DRINK THE WATER RESIDUES WHICH MAY BE PRESENT INSIDE THE DISHES OR DISHWASHER AT THE END OF THE WASHING PROGRAM AND BEFORE THE DRYING CYCLE.

KNIVES OR OTHER SHARP-ENDED COOKING UTENSILS MUST BE PLACED IN THE CUTLERY BASKET BLADE-DOWN, OR LAID HORIZONTAL IN THE TOP BASKET. TAKE CARE NOT TO CUT YOURSELF AND ENSURE THAT THEY DO NOT PROJECT FROM THE BASKET.

**AQUASTOP MODELS**
THE AQUASTOP DEVICE PREVENTS FLOODING IN THE EVENT OF A WATER LEAK. WHEN THE AQUASTOP DEVICE IS TRIPPED, CALL IN A QUALIFIED TECHNICIAN TO IDENTIFY AND REPAIR THE FAULT.
IN MODELS EQUIPPED WITH THE AQUSTOP DEVICE, THERE IS A SOLENOID VALVE INSIDE THE WATER INTAKE HOSE. **DO NOT CUT THE HOSE AND DO NOT ALLOW THE SOLENOID VALVE TO DROP INTO WATER.** IN THE EVENT OF DAMAGE TO THE WATER INTAKE HOSE, DISCONNECT THE APPLIANCE FROM THE ELECTRICAL POWER SUPPLY AND FROM THE WATER SUPPLY.

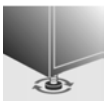
IMMEDIATELY AFTER INSTALLING THE DISHWASHER, PERFORM A QUICK TEST OF THE APPLIANCE FOLLOWING THE INSTRUCTIONS BELOW. IF THE DISHWASHER FAILS TO OPERATE CORRECTLY, DISCONNECT IT FROM THE ELECTRICAL POWER SUPPLY AND CALL THE NEAREST TECHNICAL SERVICE CENTRE. **DO NOT ATTEMPT TO REPAIR THE APPLIANCE.**

THE DISHWASHER MEETS ALL THE REQUIREMENTS SET OUT BY THE REGULATIONS IN FORCE CONCERNING SAFETY AND ELECTRICAL EQUIPMENT. ANY TECHNICAL CHECKS SHOULD BE CONDUCTED EXCLUSIVELY BY A TRAINED AND AUTHORISED TECHNICIAN: **REPAIRS CARRIED OUT BY UNAUTHORISED PERSONS WILL INVALIDATE THE WARRANTY, AS WELL AS POSING A POTENTIAL HAZARD TO THE USER.**

***The manufacturer declines all responsibility*** **for damage to persons or property resulting from failure to observe the above precautions, from tampering with even a single component of the appliance, or from the use of non original spare parts.**

## 2. Installation and hook-up

Remove the polystyrene basket retainers.
Position the appliance in the desired place of installation. The back or sides of the dishwasher may be placed up against walls or other furniture units. If the dishwasher is installed near a heat source, fit the special insulating panel to prevent overheating and malfunction of the appliance. To ensure stability, install integrated or built-under dishwashers only under continuous worktops, and screw them to the adjacent units. To facilitate the installation procedure, the intake and drain hoses can be positioned in any direction; make sure that the hoses are not kinked, crushed or pulled too tightly. Make sure to tighten the locking ring-nut once the pipes have been placed in the direction required. A hole at least 8 cm in diameter is required to allow the power supply cable and pipes to pass.



Level the appliance on the floor using its adjustable feet. This operation is essential for ensuring correct operation of the dishwasher.

*Building-in a dishwasher underneath a ceramic hob is **absolutely forbidden**.*

*A dishwasher can be built-in underneath a conventional hob provided there is **no break** in the kitchen worktop, and the dishwasher and hob are **installed and secured correctly**, so that **no hazards are generated**.*

***For free-standing models only***

- *Installing a hob on top of a free-standing dishwasher is **absolutely forbidden**.*
- *If the appliance is not built-in and is therefore accessible on one side, the door hinge area must be covered for safety reasons (injury hazard). The covering fixtures are available as an accessory from specialist dealers or the After-Sales Service.*
- *To build in the dishwasher, the **special kit** must be purchased from authorised dealers or the After-Sales Service.*

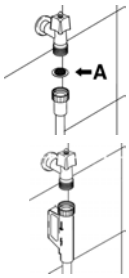
*Some models are equipped with only one adjustable foot at the rear, which can be adjusted by turning the screw on the lower front part of the appliance.*

### *2.1 Water supply connection*

***Preventing the risk of clogging or damage:*** *if the water pipe is new or has not been used for a long time, before connecting to the water supply check that the water is clear and free of impurities, to prevent damage to the appliance.* ***The dishwasher must always be connected to the water system with new hoses; old or used hoses must never be reused.***

**CONNECTING TO THE WATER SUPPLY**

Connect the intake hose to a cold water supply with ¾" gas thread, inserting the filter **A** supplied with the dishwasher. **Take care to screw the hose firmly into place with your hands and then complete by tightening about ¼ of a turn with pliers.**

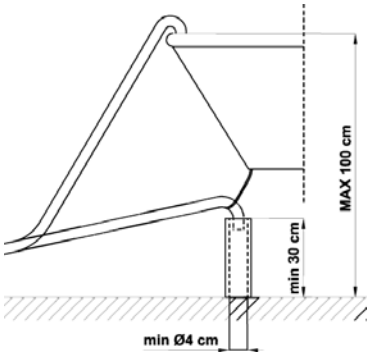



**In dishwashers equipped with the ACQUASTOP device, the filters is already fitted inside the threaded ring.**

The dishwasher can also be connected to a hot water supply **not exceeding 60°C**. Supplying the appliance with hot water cuts down the washing time by approximately 20 minutes, but slightly reduces its effectiveness. Make the connection to the domestic hot water supply using the same procedure described for connecting to the cold water supply.

**DRAIN CONNECTION**

Insert the dishwasher's drain hose into a drain pipe having a diameter of at least **4 cm**, or alternatively, place it inside the kitchen sink using the plastic support provided, taking care not to crush or excessively bend the hose. It is important to prevent the hose from coming loose and falling. For this purpose, the plastic support is equipped with a hole for tying it to the wall or water tap.




The free end should be positioned at a height of between **30 and 100 cm**, and should never be submerged in water. If a horizontal drain extension hose is used (for a maximum of 3 m) the drain hose can be placed at a maximum height of **85 cm** from the ground.

### *2.2 Electrical connection and precautions*

CHECK THAT THE VOLTAGE AND THE FREQUENCY OF THE MAINS MATCH THE RATINGS ON THE NAME PLATE OF THE APPLIANCE POSITIONED ON THE INNER EDGE OF THE DOOR.

THE PLUG ON THE SUPPLY CORD AND THE CORRESPONDING SOCKET OUTLET MUST BE OF THE SAME TYPE AND MEET THE REGULATIONS IN FORCE.

THE PLUG MUST BE ACCESSIBLE AFTER INSTALLATION.

**NEVER DISCONNECT THE PLUG BY PULLING ON THE POWER SUPPLY LEAD.**

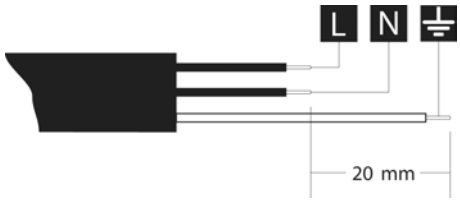
**IN THE EVENT OF DAMAGE TO THE SUPPLY CORD**, HAVE IT REPLACED BY THE MANUFACTURER OR AN AUTHORIZED TECHNICAL SERVICE CENTRE.

**DO NOT USE ADAPTORS OR SHUNT CONNECTIONS** IN ORDER TO AVOID THE POSSIBILITY OF OVERHEATING OR BURNING.

**IF THE APPLIANCE IS PROVIDED WITH A PLUGLESS SUPPLY CORD:**

IT IS NECESSARY TO INSTALL IN THE FIXED WIRING AN ALL-POLE DISCONNECTION DEVICE HAVING A GAP BETWEEN CONTACTS OF AT LEAST **3.5MM**. AFTER INSTALLATION THE DISCONNECTION DEVICE HAS TO BE EASY TO REACH.

THE CONNECTION TO THE MAINS MUST BE CARRIED OUT BY A **QUALIFIED TECHNICIAN** IN ACCORDANCE TO THE SCHEME SHOWN BELOW AND THE REGULATIONS IN FORCE.




**L** = brown
**N** = blue
⏚ = yellow-green

***In the event of damage to the supply cord, have it replaced by the manufacturer or an Authorized Technical Service Centre in order to avoid any risk.***

## WHEN CLEANING AND MAINTAINING THE APPLIANCE:

**BEFORE CARRYING OUT ANY WORK, ALWAYS UNPLUG THE APPLIANCE FROM THE ELECTRICAL SUPPLY OR SWITCH OFF THE ALL-POLE DISCONNECTION DEVICE.**

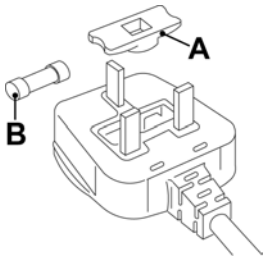
## FOR GREAT BRITAIN ONLY:

**THIS APPLIANCE MUST BE EARTHED.**

### Fuse replacement

If the mains lead of this appliance is fitted with a **BS 1363A 13amp** fused plug, to change a fuse in this type of plug use an **A.S.T.A.** approved fuse to **BS 1362** type and proceed as follows:

1. Remove the fuse cover **A** and fuse **B**.
2. Fit replacement 13A fuse into fuse cover.
3. Refit both into plug.




***The fuse cover must be refitted when changing a fuse*** *and if the fuse cover is lost the plug* ***must not be used*** *until a correct replacement is fitted.*

***Correct replacement are identified by the colour insert or the colour embossed in words on the base of the plug.***

*Replacement fuse covers are available from your local electrical store.*

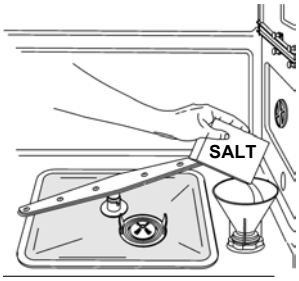
# 3. Operating instructions

Once the dishwasher has been correctly installed, prepare for use as follows:

- Adjust the water softening system;
- Add the regenerating salt;
- Add the rinse aid and detergent.

## *3.1 Using the water softening system*

The amount of scale contained in the water (water hardness index) can cause whitish staining on the dry dishes, which tend to become dull over time. The dishwasher is equipped with an automatic softening system which uses a special regenerating salt to reduce the hardness of the water.
The dishwasher is factory set for water hardness level **3** (average hardness **41-60°dF** – **24-31°dH**).




When using water of medium hardness, the regenerating salt container should be refilled after approximately **20 washing cycles**. The salt container can hold approximately **1.7 Kg** of salt in grains. Some models are equipped with an optical no-salt indicator. In these models, the cap of the salt container contains a green float which descends as the salt concentration in the water drops. When the green float can no longer be seen through the transparent cap, the container must be topped up with regenerating salt. The container is situated at the bottom of the dishwasher. After removing the lower basket, unscrew the salt container cap by turning it anticlockwise and pour in the salt using the funnel supplied with the dishwasher. Before replacing the cap, remove any salt residues from around the opening.

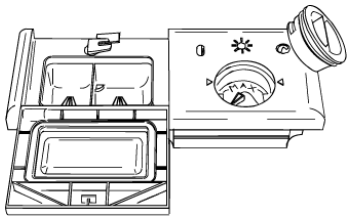
- *When using the dishwasher for the first time, in addition to the salt it is also necessary to add **one litre of water** to the container.*
- *Each time the salt container is refilled, make sure that **the cap is securely closed**. The mixture of water and detergent must never penetrate the salt container, as this would compromise the operation of the regeneration system. In the event of this occurring, the warranty will be invalidated.*
- ***Only** use regenerating salt specially formulated for domestic dishwashers. If using salt tablets, **do not fill the container completely**.*

- ***Do not use table salt*** *as it contains insoluble substances which, over time, may damage the water softening system.*
- *When necessary, refill the regenerating salt container* ***before starting the washing program****. In this way, the excess saline solution will be immediately removed by the water; the prolonged presence of salt water inside the tank may lead to* ***corrosion****.*

***Be careful not to confuse the salt and detergent packages****; adding detergent to the salt container will* ***damage*** *the water softening system.*

### *3.2 Using the rinse aid and detergent dispensers*

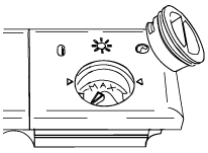
The detergent and rinse aid dispensers are situated on the inner part of the door: the **detergent dispenser** is on the left, and the **rinse aid dispenser** is on the right.



*With the exception of the* ***SOAK*** *program, before every washing cycle it is necessary to add the required amount of detergent to the* ***detergent dispenser****. The rinse aid, on the other hand, should only be added as required.*

## ADDING THE RINSE AID

The rinse aid helps the dishes dry faster and prevents the formation of scale deposits and staining; it is automatically added to the water during the final rinse cycle, from the container situated on the inner side of the door.



To add rinse aid:

- Open the door.
- Rotate the container cap anticlockwise by ¼ of a turn and remove it.
- Add the rinse aid until the container is full (approximately 140 cc). The optical level indicator on the side of the cap should be completely obscured. Refill the rinse aid when the optical level indicator becomes clear again, or when the rinse aid warning light illuminates.
- Replace the cover and turn it in a clockwise direction.
- Use a cloth to remove any spillage of rinse aid which might lead to the formation of excess foam.

## ADJUSTING THE RINSE AID DISPENSER SETTING

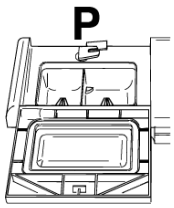
The dishwasher is factory set for medium water hardness. However it possible to change the setting by turning the dispenser's selector to the desired position: the amount of rinse aid dispensed is proportional to the selector position.

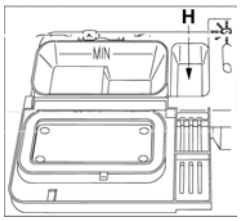
- To adjust the rinse aid setting, rotate the dispenser cap through a quarter turn in an anticlockwise direction and remove it.
- Then use a screwdriver to rotate the rinse aid selector to the desired position.
- Replace the cap, turning it clockwise.

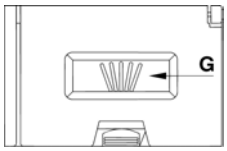
- *The amount of rinse aid must be **increased** if the washed dishes appear dull or feature circular stains.*
- *If, on the other hand, the dishes are sticky or have white streaks, it is necessary to **reduce** the rinse aid setting.*

**ADDING THE DETERGENT**

To open the detergent dispenser cap, lightly press the button **P**. Add the detergent and close the cap carefully. During the washing cycle, the dispenser will be opened automatically.



- *When a program with hot prewash is selected (see program table), extra detergent must be placed in the cavity **G/H** (depending on models).*
- *Use **only** detergents specially formulated for dishwashers. For optimal washing results it is important to use a good quality detergent.*
- *The detergent packs must be sealed and stored in a dry place to prevent the formation of lumps which may negatively affect washing results. Once opened the detergent packs should not be kept for too long, otherwise the detergent loses its effectiveness.*
- *Do not use detergents formulated for washing dishes by hand, because they produce a great deal of foam and may negatively affect the operation of the dishwasher.*
- *Add the correct amount of detergent. An insufficient amount of detergent will result in a partial removal of dirt from the dishes, whereas an excessive amount is wasteful and does not improve the washing results.*
- *The market offers liquid and powder detergents with differing chemical compositions, which may contain **phosphates**, or be phosphate-free but contain **natural enzymes**.*
  - *Detergents containing **phosphates** are more effective against grease and starch at **temperatures above 60°C**.*
  - ***Enzyme** detergents, on the other hand, are also effective at lower temperatures (**from 40 to 55°C**) and are more easily biodegradable. With enzyme detergents it is possible to obtain at low temperatures comparable results to those which can only be achieved at **65°C** using traditional detergents.*

  *For the safeguarding of the environment we recommend the use of **phosphate- and chlorine free** detergents.*

- ***"3/1" Products***
  *If you wish to use detergents which already contain salt and rinse aid, check whether your dishwasher is fitted with the "**3/1 option button**" on the "**Controls description**" page and then refer to the section which explains how to use this function.*
  *If the button is not provided, we recommend the use of conventional products (separate detergent, salt and rinse aid), because with conventional washing cycles "**3/1**" products might create problems such as a white deposit, poor drying results and residues left on dishes.*

***The introduction of detergent into the rinse aid dispenser, even in liquid form, will damage the dishwasher.***

### *3.3 General warnings and recommendations*

*Before using the dishwasher for the first time, it is advisable to read the following recommendations concerning dish types to be washed and their loading.*
*There are generally no constraints on the washing of domestic dishes, but in certain cases it is necessary to take their characteristics into account.*

*Before loading the dishes into the baskets it is necessary to:*

- *remove coarse food remains: e.g. bones, fish-bones, etc. which may clog the filter or damage the wash pump.*
- *soak any pots or pans with burnt-on food remains on the bottom to facilitate removal, then load them into the LOWER BASKET.*

*Use the "½ **load wash**" option (if available) for washing small amounts of dishes; it saves water and electricity.*
*When using this function, **only load the basket selected for the ½ load wash**; the other basket must remain empty.*

*There is no need to pre-wash the dishes under running water before loading them into the baskets since this only wastes water.*

***Correct loading of the dishes helps ensure optimal washing results.***

***WARNING!***

- *Make sure that the dishes are securely in place so that they cannot tip over or obstruct the rotation of the spray arms during the washing cycle.*
- *Do not place very small objects in the baskets as these could fall and obstruct the spray arms or the wash pump.*
- *Containers such as cups, bowls, glasses and pots should always be loaded with the opening facing downwards and with any cavities at an angle, to allow the water to drain out.*
- *Do not stack dishes or place them in such a way that they cover one other.*
- *Do not place glasses too close together because they may knock against each other and break, or there might be staining at the point where they touch.*

***MAKE SURE that the items being washed are dishwasher-safe.***

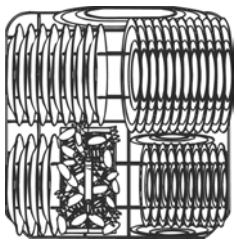
***Items which are not dishwasher-safe:***

- ***Wooden dishes, pots or pans:*** *these may be damaged by the high washing temperatures.*
- ***Handcrafted items:*** *these are rarely suitable for washing in a dishwasher. The relatively high water temperatures and the detergents used may damage them.*
- ***Plastic dishes:*** *heat resistant plastic dishes must be washed in the upper basket.*
- ***Dishes and objects in copper, tin, zinc or brass:*** *these tend to stain.*
- ***Aluminium dishes:*** *items made from anodised aluminium may lose their colour.*
- ***Silverware:*** *silver items may stain.*
- ***Glass and crystal:*** *in general, glass and crystal objects can be washed in the dishwasher. However, certain types of glass and crystal may become dull and lose their clearness after many washings. Therefore, for these items we recommend using the least aggressive program available.*
- ***Decorated items:*** *the decorated objects available on the market are generally able to withstand washing in the dishwasher, although the colours may fade after a great many washes. If in doubt as to the fastness of the colours, it is advisable to wash just a few items at a time for approximately one month.*

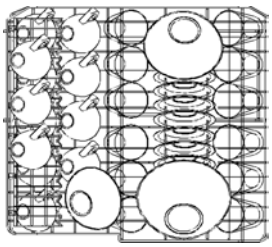
### *3.4 Using the baskets*

The dishwasher has a capacity of **12 place-settings**, including serving dishes.

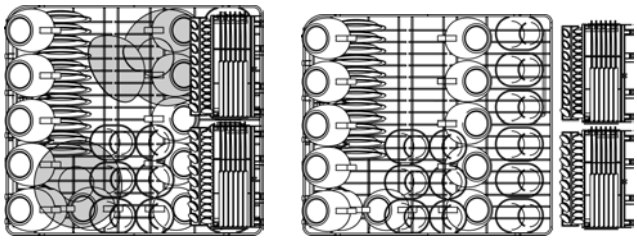
**EN 50242 STANDARD LOADS FOR CERTIFICATION BODIES**



**LOWER BASKET**



**UPPER BASKET**



**UPPER BASKET**
**(models with cutlery racks)**

*The **upper** basket must be set in the low position.*

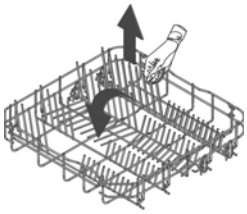
## LOWER BASKET

The lower basket receives the full force of the lower spray arm, and should therefore be used for the “toughest” items with a heavier degree of soiling.

All types and combinations of loads are permitted, provided that the dishes, pots and pans are arranged with all the soiled surfaces exposed to the water jets coming from the bottom.

**With fixed supports**

To make the most of the space inside the basket when loading large items, certain models are equipped with tip-up supports for plates in 2 or 4 sections.

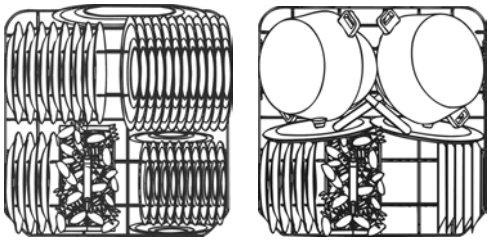


**With tip-up supports**

## LOADING THE LOWER BASKET

Carefully load flat plates, soup plates, dessert and serving dishes, positioning them vertically. Pots, pans and their covers must be loaded upside down. When loading soup plates and dessert bowls, be sure to leave a gap between them.

**Loading examples:**



**½ LOAD**
**(certain models only)**

## CUTLERY BASKET

The basket has removable top grids into which items of cutlery can be inserted to keep them properly spaced and allow water to pass between them effectively. The cutlery supports and central lid are in the bag of accessories. The central lid is intended to act only as a cover: do not place the cutlery in it:

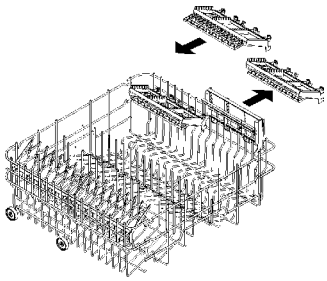
The cutlery should be arranged in an orderly manner inside the basket, with the handles pointing downwards. Take care during loading to avoid injury from the knife blades. The basket is suitable for all types of cutlery, except those long enough to interfere with the upper spray arm. Ladles, wooden spoons and cooking knives can be placed in the upper basket, **making sure that the knife blades do not protrude from the basket.**

## UPPER BASKET

It is recommended to load the upper basket with small- or medium-sized items such as glasses, small plates, tea or coffee cups, shallow bowls and light objects made from heat resistant plastic. If the upper basket is used in the lowermost position, it can also be loaded with serving dishes, provided they are only slightly soiled.

To make full use of the space available, the top basket has two plastic grids that can be lifted to make room for tall glasses such as stem glasses.

The top basket is fitted (on the left) with two plastic racks which can be raised to make room for tall glasses, such as stem glasses.
On the right there are two cutlery racks designed to take knives and teaspoons; when not in use, they can be left vertical, attached to the basket. To use the space designed for teaspoons, remove the insert as shown in the illustrations.

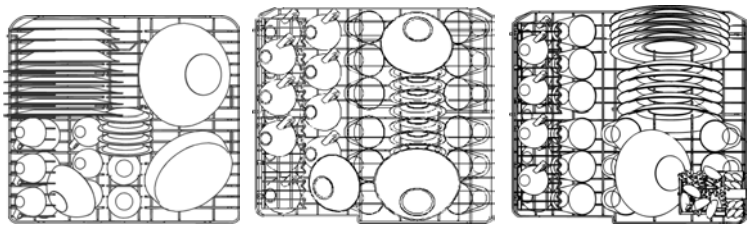


**models with cutlery racks**

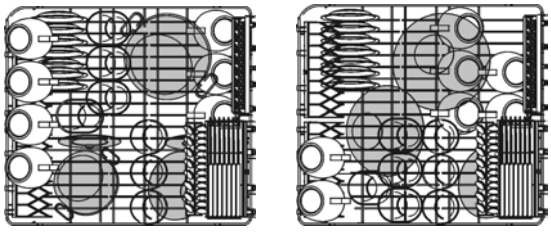
### LOADING THE UPPER BASKET

Load plates facing forward; cups, bowls etc. must always be facing downwards. The left-hand side of the basket can be loaded with two layers of cups and glasses. The centre can be filled with plates and side-plates, fitted upright into the supports provided.

**Loading examples:**



**½ LOAD**
**(certain models only)**

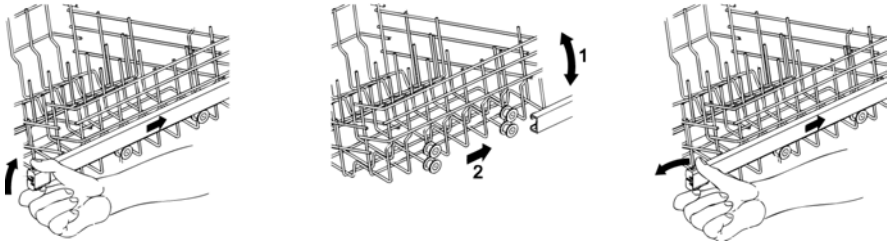


**½ LOAD**
**(models with cutlery racks)**

**ADJUSTING THE UPPER BASKET**

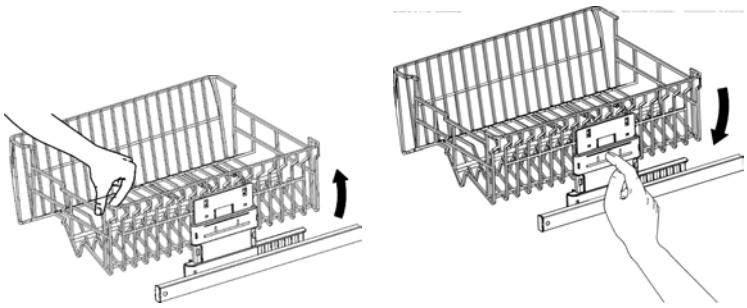
**Version A:** the upper basket can be adjusted in **two positions**, according to the user's needs and according to the height of the dishes in the lower basket. Proceed as follows.

- pull out the right-hand basket guide;
- remove the stop, first releasing it as shown in the diagram;
- push the guide to free the wheels;
- fit the upper or lower pair of wheels into the guide, depending on the setting required;
- return the stop to its original position.




**Version B:**

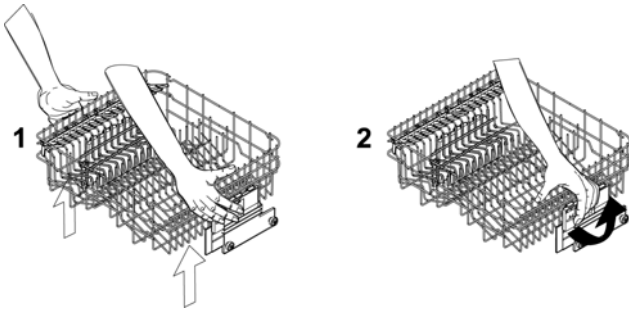
- pull out the basket to its limit position and pull the right side upwards. At this point it is possible to load larger sized plates into the lower basket.
- To return to the original position, pull out the upper basket again and press the release lever.



**Version C:** the top basket can be set in **three different positions** on both sides. The rack must be level on both sides.

To raise the basket lift it, pulling on the front edge **(1)**, to the first or second catch depending on the height required. To lower it, pull the release lever **(2)**.

This is also possible with the basket loaded, but in this case when lowering the basket it should be held steady with one hand to avoid knocking the dishes.



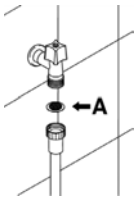
# 4. Cleaning and maintenance

***Before carrying out any work, always disconnect the appliance from the electrical power supply.***

## *4.1 General warnings and recommendations*

**Avoid the use of acidic or abrasive detergents.**

Clean the outer surfaces and door-lining of the dishwasher regularly using a soft cloth moistened with water or with a normal detergent suitable for painted surfaces. Clean the door gaskets with a damp sponge. Periodically (once or twice a year) it is advisable to clean the tank and gaskets, using a soft cloth and water to remove any deposits.

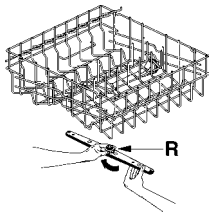


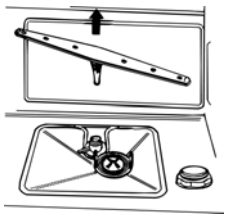

**CLEANING THE WATER INTAKE FILTER**
The water intake filter **A** located at the outlet of the water supply tap needs to be cleaned periodically.
After having closed the water supply tap, unscrew the end of the water intake hose, remove the filter **A** and clean it delicately under running water. Reassemble filter **A** in its seat and carefully screw the water intake hose back into position.

**CLEANING THE SPRAY ARMS**
The spray arms can be easily removed for periodic cleaning of the nozzles, to prevent possible clogging. Wash them under running water and carefully replace them in their seats, **checking that their rotary movement is in no way impeded**.

- To remove the **upper** spray arm, unscrew locking ring **R**.

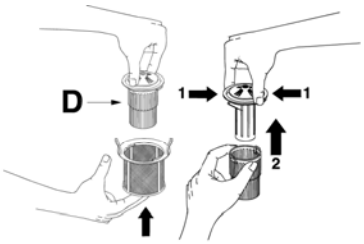
- To remove the **lower** spray arm, simply lift it up, pulling by the central part.

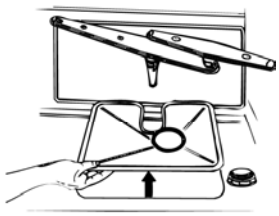


**CLEANING THE FILTER UNIT**

- It is advisable to periodically inspect the centre filter **C** and, if necessary, to clean it. To remove the filter, grip the tabs, turn them anticlockwise and lift upwards;
- push the centre filter **D** from the underside to remove it from the micro-filter:
- separate the two parts which make up the plastic filter by pressing the body of the filter in the zone shown by the arrows;
- remove the centre filter by lifting it upwards.



***GENERAL WARNINGS AND RECOMMENDATIONS FOR CORRECT MAINTENANCE:***

- *The filters should be cleaned **under running water** using a stiff brush.*
- ***When removing the filter**, take care that there are no food residues on it. If any residues fall into the washing pit they might block hydraulic components, or foul the spray arm nozzles.*
- *It is essential to **thoroughly clean the filters** according to the above instructions: the dishwasher cannot function if the filters are clogged.*
- ***Carefully replace** the filters in their seats, to avoid damaging the wash pump.*

***PROLONGED DISUSE:***

- *Run the soak program twice in succession.*
- ***Unplug** the power cord from the socket.*
- ***Leave the door slightly open**, in order to prevent the formation of unpleasant odours inside the washing tank.*
- ***Fill the rinse aid dispenser**.*
- ***Shut off the water supply tap.***

***BEFORE STARTING THE DISHWASHER AFTER PROLONGED DISUSE:***

- *Check that there are no deposits of sludge or rust inside the water pipe: if there are, allow the water to run from the water supply tap for a few minutes.*
- ***Plug the power cord** back into the socket.*
- ***Reconnect the water intake hose and open the tap again.***

***TROUBLESHOOTING MINOR PROBLEMS***

*In some cases it is possible to remedy minor problems by referring to the following instructions:*

***If the program fails to start, check that:***

- *the dishwasher is connected to the electrical power supply;*
- *there is no power failure;*
- *the water tap is open;*
- *the dishwasher door is properly closed.*

***If water remains inside the dishwasher, check that:***

- *the drain hose is not kinked;*
- *the drain siphon is not obstructed;*
- *the dishwasher filters are not clogged.*

***If the dishes are not being cleaned properly, check that:***

- *the correct amount of detergent has been added;*
- *there is regenerating salt inside the special container;*
- *the dishes are being loaded correctly;*
- *the selected program is suitable for the dish types and their degree of soiling;*
- *all the filters are clean and positioned correctly;*
- *the spray arm nozzles are not obstructed;*
- *there is no object obstructing the rotation of the spray arms.*

***If the dishes fail to dry or remain dull, check that:***

- *there is rinse aid inside the special container;*
- *the rinse aid dispenser setting is correct;*
- *the detergent used is of good quality and has not lost its effectiveness (for example, through incorrect storage, with the box left open).*

***If the dishes show signs of streaking, staining, etc., check that:***

- *the rinse aid dispenser setting is not too high.*

***If there are visible traces of rust inside the tank:***

- *the tank is made of steel, and therefore any rust marks are due to external elements (fragments of rust from the water pipes, pots, cutlery, etc.). Special products are commercially available to remove such marks;*
- *check that the amount of detergent being used is correct. Certain detergents can be more corrosive than others.*
- *check that the cap of the salt container is securely closed, and that the water softening setting is correct.*

*If after following the above troubleshooting instructions the problem persists, call the nearest After-Sales Centre.*

***WARNING: any operations performed on the appliance by unauthorised persons are not covered by the warranty and shall be paid for by the user.***

| **TECHNICAL DATA** | |
|---|---|
| **Width** | 597 ÷ 599 mm |
| **Depth measured flush with the outer edge of the control panel** | Free standing: 600 mm<br>Semi-integrated: 570 mm - Fully integrated: 550 mm |
| **Height** | Free standing from 850 mm to 870 mm<br>Semi-integrated and fully integrated: from 820 mm to 870 mm |
| **Capacity** | 12 Standard place settings |
| **Water supply pressure** | min. 0,05 - max. 0,9 MPa (min. 0.5 – max. 9 bar) |
| **Electrical characteristics** | See rating plate |

# 1. Description of the controls

## *1.1 Upper panel*

All the dishwasher controls are grouped on the upper panel. Switch-on, programming, switch-off etc. procedures are only possible when the door is open.

| | |
|---|---|
| **1** | **ON/OFF BUTTON**<br>Pressing this button energises the appliance. |
| **2** | **SELECTED PROGRAM INDICATOR LIGHTS**<br>Illumination of this light denotes the program selected and the occurrence of a fault (troubleshooting). |
| **3** | **PROGRAM SELECTION BUTTON**<br>By pressing this button in sequence it is possible to select the desired program. |
| **4** | **SALT WARNING LIGHT** (certain models only)<br>Illumination of this light signals that salt container is empty. |
| **5** | **RINSE AID WARNING LIGHT** (certain models only)<br>Illumination of this light signals that rinse aid dispenser is empty. |
| **6** | **EXTRA PROGRAM BUTTON**<br>This button gives access to the one of the five extra programs (see table). |
| **7** | **EXTRA PROGRAM LIGHT**<br>Illuminates to indicate that one of the five extra programs (see table) is going to be executed. |

| | |
|---|---|
| 8 | **"3/1" OPTION BUTTON** (on some models only)<br>Press this button to activate the option for use of 3/1 products. |
| 9 | **"3/1" OPTION LIGHT** (on some models only)<br>Illuminates to indicate that the function is activated. |
| 10 | **HALF LOAD BUTTON** (on some models only)<br>Press this button to activate the half load wash option. |
| 11 | **HALF LOAD LIGHT** (on some models only)<br>One of the two buttons illuminates to indicate that the half load wash option in the top or bottom basket has been selected. |
| 12 | **PROGRAM DELAY BUTTON** (on some models only)<br>Press this button to delay the start of the program by up to 9 hours. |
| 13 | **INFORMATION DISPLAY** (on some models only) |

**SETTING THE WASHING PROGRAM AND SWITCHING ON**

To select the most suitable program for the dishes to be washed refer to the table below, which indicates the most appropriate program according to dish type and degree of soiling.

After using the table to identify the most appropriate washing program:

- press the **ON/OFF** button **(1)** and wait for the **PROGRAM INDICATOR LIGHT (2)** to illuminate;
- keep pressing the **PROGRAM SELECTION** button **(3)** until the indicator light corresponding to the desired program illuminates;
- close the door; after about **2"** the program will start. While it is in progress, the relative **LIGHT** will flash (indicating that the program is being executed).

| PROGRAMME NUMBER & SYMBOL | | | LOAD CROCKERY AND CUTLERY | PROGRAM PROGRESS | DURATION | CONSUMPTION | |
|---|---|---|---|---|---|---|---|
| | | | | | MINUTES (2) | WATER LITRES (1) | POWER KWh (2) |
| 1 | | RINSE | Pans and dishes for rinsing and drying | Cold rinse<br>Rinse at68°C<br>Dry | 45' | 9 | 0,9 |
| 2 | 45° | DELICATE | Dishes with normal dirt | Cold prewash<br>Wash at 45°C<br>Cold rinse<br>Rinse at68°C<br>Dry | 75' | 16 | 1,15 |
| 3 | Auto | AUTO 60-70 | Normally soiled dishes, including dried-on residue | Cold prewash<br>Wash at 50°C<br>Wash at 65°C<br>Cold rinse<br>Rinse at 70°C<br>Dry | (**) | (**) | (**) |
| 4 | 55° | BIO | Dishes with normal dirt | Cold prewash<br>Wash at 55°C<br>Cold rinse<br>Rinse at68°C<br>Dry | 180' | 15 | 1,10 |

| PROGRAMME NUMBER & SYMBOL | | | LOAD CROCKERY AND CUTLERY | PROGRAM PROGRESS | DURATION | CONSUMPTION | |
|---|---|---|---|---|---|---|---|
| | | | | | MINUTES (2) | WATER LITRES (1) | POWER KWh (2) |
| 5 | | SUPER | Very dirty pans and dishes, even with dried-on dirt | Prewash at45°C<br>Wash at 70°C<br>2 cold rinses<br>Rinse at 70°C<br>Dry | 110’ | 20 | 1,70 |
| 6 | | SOAK | Pans and dishes awaiting a further dish | Cold prewash | 16' | 6 | — |
| 7 | | QUICK | Dishes with light dish | Wash at38°C<br>Cold rinse<br>Rinse at 58°C | 45' | 13 | 0,85 |
| 8 | | AUTO 40-50 | Wash immediately after use for dishes with normal dirt | Cold prewash<br>Wash at 40°C<br>Wash at 55°C<br>Cold rinse<br>Rinse at 70°C<br>Dry | (**) | (**) | (**) |
| 9 | | ECO<br>(*) EN 50242 | Wash immediately after use for dishes with normal dirt | Wash at 50°C<br>Cold rinse<br>Rinse at 66°C<br>Dry | 180' | 14 | 1,05 |
| 10 | | INTENSIVE | Normally soiled pans and dishes, including dried-on residue | Wash at 70°C<br>2 cold rinses<br>Rinse at 70°C<br>Dry | 95' | 17 | 1,50 |

**Only** run the soak program with half loads.

To execute programs **6,7,8,9,10** users must first press the **extra programs button (6)**.

(*) Reference program as per EN 50242 standard.

(**) When the "**AUTO 40-50**" or "**AUTO 60-70**" program is selected, the dishwasher recognises the type of dirt and automatically adjusts the washing parameters as appropriate.

(–) Not present.

(1) Average power consumption with the softener set on **level 2**.

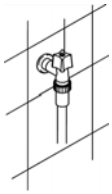
(2) The cycle duration and power consumption may vary according to the water and room temperatures, and the type and amount of dishes.

*The washing cycle will not take place if the dishwasher door is left open or not properly closed.*

### *1.2 Washing programs*

***Before starting a washing program make sure that:***

- *The water supply tap is* ***open.***
- *The* ***correct amount of detergent*** *has been added to the* ***dispenser****.*
- *The baskets have been* ***correctly loaded.***
- *The spray arms are able to* ***rotate freely*** *and without obstruction.*
- *The dishwasher door is* ***securely closed****.*



**CANCELLING THE CURRENT PROGRAM**

- To cancel the currently selected program, open the door and hold down the **PROGRAM SELECTION (3)** button for a few seconds until the **indicator lights** for programs **4** and **5** illuminate simultaneously (the word "end" is displayed on the window).

- Close the door.
- After approximately 1 minute the dishwasher will advance to the end of cycle.

**CHANGING THE PROGRAM**

To change the program in progress, simply open the door and select a new program. When the door is closed the dishwasher will automatically select the new program.

**SELECTING HALF LOAD WASH (on some models only)**

This function is ideal for small loads and saves water and electricity. It is controlled by the **HALF LOAD (10)** button, with two alternatives:

1) press the button **once** to select washing in the **top basket** (the relative light comes on);
2) press the button **a second time** to select washing in the **bottom basket** (the relative light comes on);
3) press the button **a third time** to return to the normal **full load** washing mode (washing in both baskets, both lights off).

*When washing in the **bottom basket** only, **the cutlery basket can be divided** so that **only half is used.***

**EXTRA PROGRAMS**

Button **(6)** gives access to **five extra programs** in addition to the ones which can be selected directly using the program selector button.
This button must be pressed (the light comes on) **after** selection of the "main" program (1, 2, 3, 4 or 5).
This function **is retained in the memory**, so the button has to be pressed again (the light goes out) if the user wishes to execute one of the 5 main programs at the next cycle.

**"3/1" OPTION BUTTON (on some models only)**
**(available in all programs except the soak program)**

By pressing the button **(8)** you activate the "**3/1**" option, confirmed when the relative light comes on. This option has been studied for the use of dishwashing powder or tablets with integrated substances in place of regenerating salt or rinse-aid known on the market as “3 in 1” or “triple action” products; in this case the dishwasher will use the product in an optimal way avoiding salt and rinse-aid consumption, which could already be found in the dishwasher.

**Note:** When selecting the "**3/1**" button, it is normal that the salt and rinse-aid lights remain on, if their containers are empty.

**DELAYING THE PROGRAM (on some models only)**

The **PROGRAM DELAY** button **(12)** can be pressed to delay the start of the program by up to **9 hours.** This means that the dishwasher can be operated at the time of day of your choice. Press the button several times in succession and the display will show the delay with which the appliance will start, beginning from **9 hours**.

***TO SAVE ON ENERGY! … AND PROTECT THE ENVIRONMENT***

- *Always try to run the dishwasher **fully loaded**.*
- *Do not wash the dishes in running water.*
- *Use the washing program that is **most appropriate** for each type of load.*
- *Do not carry out any preliminary rinsing.*
- *If available, connect the dishwasher to a hot water supply up to 60°C.*

***TO CUT DOWN ON DETERGENT CONSUMPTION! … AND PROTECT THE ENVIRONMENT***

*The phosphates contained in dishwasher detergents are harmful to the environment. To avoid using excessive amounts of detergent and to save on electricity, observe the following:*

- ***separate** the more delicate items from dishes that are more resistant to aggressive detergents and high temperatures;*
- ***do not pour** the detergent directly on the dishes.*

## ADJUSTING THE WATER SOFTENING SYSTEM

**N.B.:** for the setting below to be possible, a washing program other than the soak program must be set.

Press the **PROGRAM DELAY** button **(12)** and keep it pressed until the preset value appears followed by a full stop (normally **3.**).
Release the button then press it again in succession to display the value required, referring to the table.

The **6** setting levels available will appear in this order:
**3.**, **4.**, **5.**, **0.**, **1.**, **2.**.

When the value required appears on the display, release the button; after **5 seconds** the system automatically returns to setting of the program delay, and the setting will be made with the chosen value.

**N.B.:** the display shows the water hardness setting and the program delay. The dot (**.**) after the number indicates that the water hardness setting is being displayed. If the dot (**.**) does not appear, the program delay is being displayed.

## WATER HARDNESS TABLE

| WATER HARDNESS | | SETTING |
|---|---|---|
| German Degrees (°dH) | French Degrees (°dF) | |
| 0 - 5 | 0 - 9 | 0. |
| 6 - 11 | 10 - 19 | 1. |
| 12 - 21 | 20 - 36 | 2. |
| 22 - 33 | 37 - 59 | 3. |
| 34 - 45 | 60 - 79 | 4. |
| 46 - 53 | 80 - 107 | 5. |

Contact your local water board for information on the hardness of your water supply.

*If the door has to be opened while washing is in progress, the program will be interrupted. The relative light will keep flashing and a beeper will signal that the cycle has not been completed. You must wait about **1 minute** before closing the door to restart the program. When the door is closed the program will continue from where it was interrupted. This operation should **only be carried out if strictly necessary**, because it might cause problems in execution of the program.*

**END OF CYCLE**

At the end of the program the beeper sounds briefly and the **lights** of programs **4** and **5** flash (the word "end" is displayed on the window).

To switch off the dishwasher, open the door and press the **ON/OFF** button **(1)**.

**REMOVING THE DISHES**

At the end of the washing program, wait at least **20 minutes** before removing the dishes, to allow them to cool down. To prevent any water droplets on the upper basket from falling on the dishes in the lower basket, it is **advisable** to unload the lower basket first, and then the upper basket.

## 2. Troubleshooting

The dishwasher is capable of signalling a number of faults through the simultaneous illumination of several indicator lights, with the following meanings:

| FAULT | | DESCRIPTION |
|---|---|---|
| E1 | | **Acquastop failure**<br>The anti-flooding system has been activated (for the relevant models only). The system is tripped in case of water leaks. Contact the after-sales service. |
| E2 | | **Safety level**<br>The system which limits the water level inside the dishwasher has been tripped. Interrupt the program and switch off the dishwasher. Switch the dishwasher back on, program it again and start the washing cycle. If the problem persists, contact the after-sales service. |
| E3 | | **Water heating malfunction**<br>The water is not heated or the heating parameters are not correct. Repeat the washing program; if the problem persists, contact the after-sales service. |
| E4 | | **Water temperature monitoring malfunction**<br>Interrupt the program and switch off the dishwasher. Switch the dishwasher back on, program it again and start the washing cycle. If the problem persists, contact the after-sales service. |
| E5 | | **Water intake malfunction**<br>The appliance does not take in water or does not do so correctly. Check that the water connections are correct, the water intake tap is turned on and the filter is not fouled. If the problem persists, contact the after-sales service. |
| E6 | | **Water pump-out malfunction**<br>The appliance does not pump out the water or does not do so correctly. Check that the drain hose is not kinked or crushed and that the siphon and filter are not fouled. If the problem persists, contact the after-sales service. |

| FAULT | | DESCRIPTION |
|---|---|---|
| **E7** | | **Turbine flow-regulator malfunction**<br>(for the relevant models only)<br>The appliance is not able to "measure" the amount of water loaded accurately. Interrupt the program and switch off the dishwasher. Switch the dishwasher back on, program it again and start the washing cycle. If the problem persists, contact the after-sales service. |
| **E8** | | **Alternate washing system malfunction**<br>Interrupt the program and switch off the dishwasher. Switch the dishwasher back on, program it again and start the washing cycle. If the problem persists, contact the after-sales service. |
| **E9** | | **Water intake system malfunction**<br>Contact the after-sales service. |

**Light off** **Light on** **Light flashing**

If an alarm occurs the appliance interrupts the program in progress and signals a fault.

- Alarms **E1, E2, E3, E4, E8** and **E9** interrupt the current program immediately.
- The **E5**, **E6** alarms interrupts the running program once the cause is resolved, it will bring bach the execution of the program.
- The alarm **E7** is visualized at the end of the cycle that comes, however, brought to the end since the operation of the dishwasher is not harmed.

To “reset” an alarm is necessary:

- Open and close the door, or turn off and on the machine. At this point is possible to program the dishwasher again.

*If the malfunction persists, contact your authorised Service Centre.*